



# NATIONAL WEATHER SERVICE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



## Special Weather Briefing

NATIONAL WEATHER SERVICE ATLANTA

Friday April 23, 2021 (1:00 PM EDT)

[www.weather.gov/ffc/briefings](http://www.weather.gov/ffc/briefings)

**Disclaimer:** The information contained within this briefing is time sensitive which should be taken into account while viewing.

# Main Points

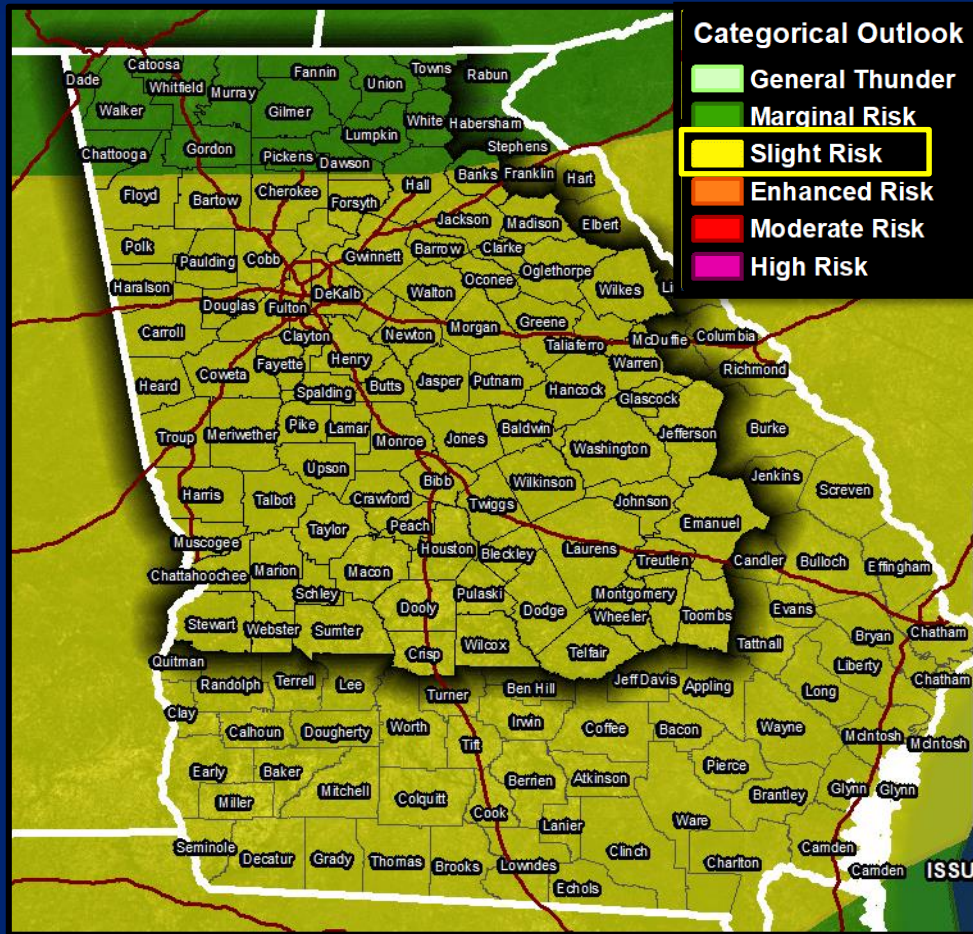


- Several rounds of active weather Saturday...
  - Potential for strong to severe thunderstorms + heavy rain that could lead to localized flooding / flash flooding
  - Much of the north & central GA
  - Generally 8AM through 9PM, some uncertainty in exact timing of rounds
    - Morning threat mainly central Georgia
    - Afternoon/evening threat possible expanding farther north

# Latest SPC Severe Weather Outlook

## Saturday (Day 2)

<https://www.spc.noaa.gov/products/outlook/>



- Likely upgrade to Enhanced near southern third of area
- Primary Threats:
  - Damaging winds > 60 MPH
  - Brief tornadoes possible
  - Large hail (1"+) possible in the afternoon
  - Heavy rain that could lead to localized flooding/flash flooding



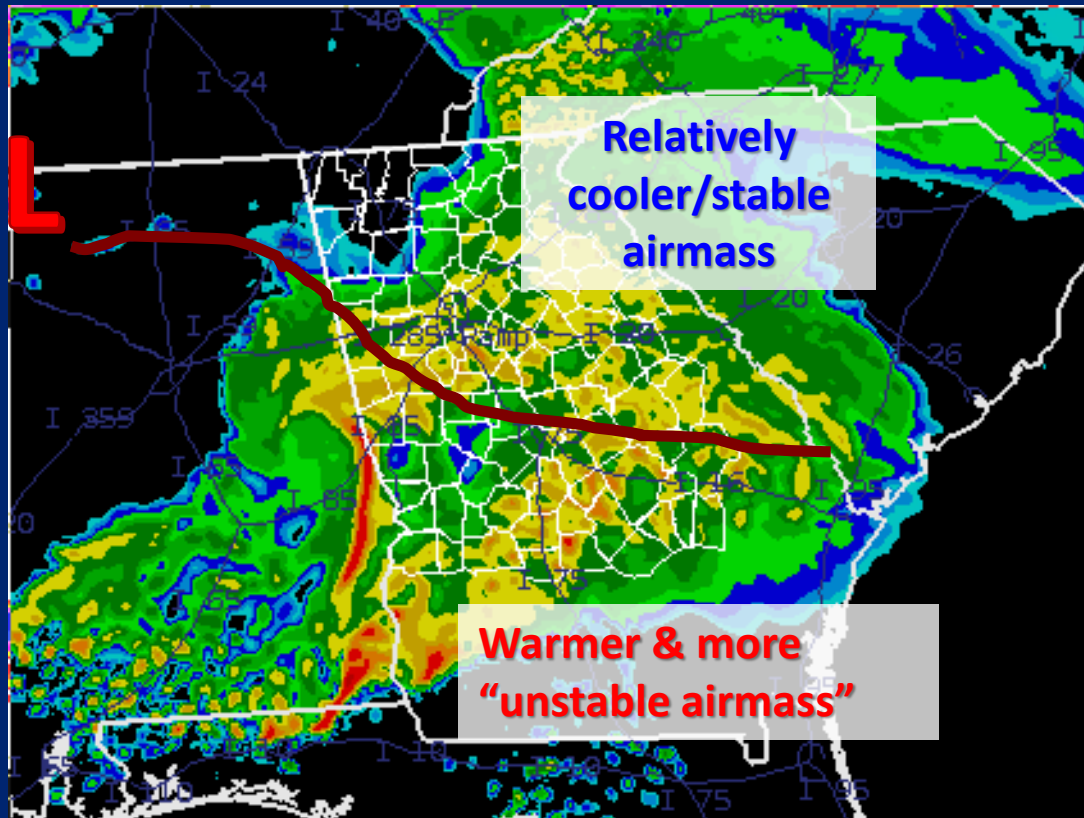
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# Saturday's Storm System

One model simulation that aligns with current thinking



## First Round:

**Starting ~8-9AM / Sat**

- Heavier rain and storms begin approaching the area
- Warm front lifts north
- Any severe threats will generally be along & south of Warm Front
  - Localized damaging winds
  - Brief tornado

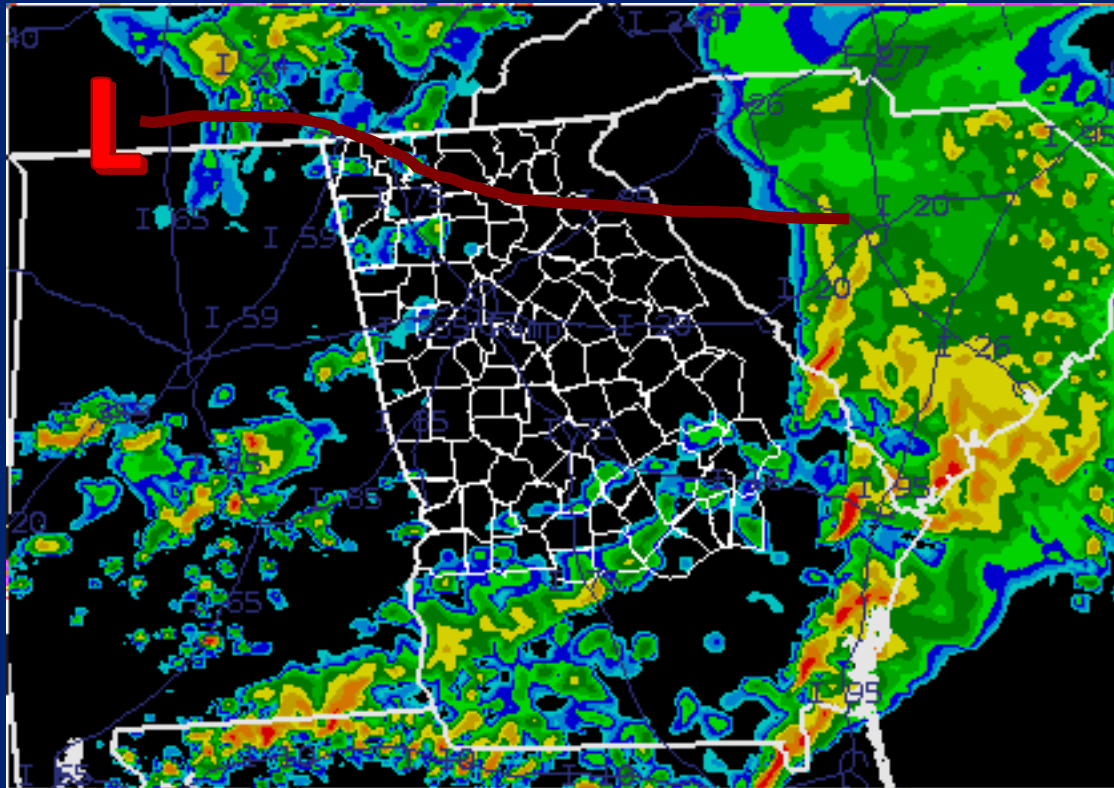


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One model simulation that aligns with current thinking

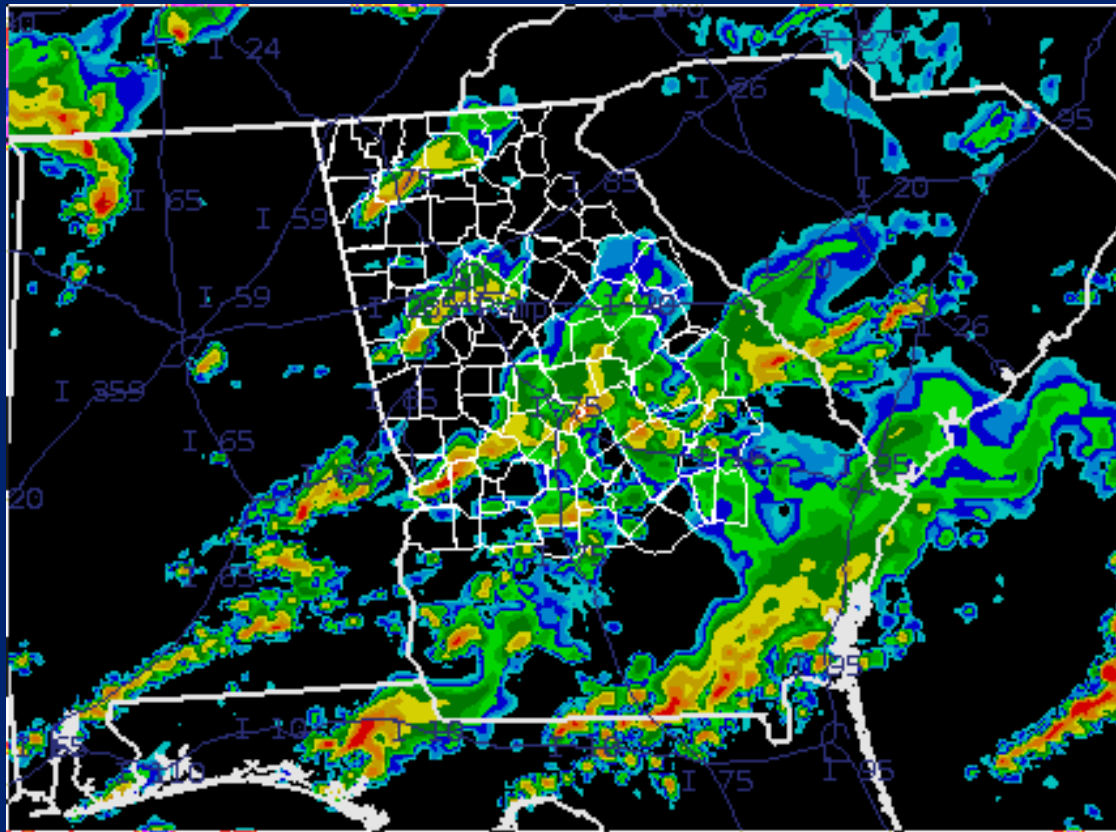


## ~Midday/Early Afternoon

- Possible lull in activity
- Warm front lifts farther north / could have re-energizing of atmosphere
- **Could still be strong to severe storms given some differences in other model runs**

# Saturday's Storm System

One model simulation that aligns with current thinking



## Additional Rounds:

### ~Afternoon into Evening

- Likely redevelopment aided by upper disturbance; entire area should be in the “warm sector”
- Storms will likely become oriented along/ahead of cold front
- Severe threat will continue:
  - Damaging winds (primary)
  - Isolated Large Hail (1 inch+)
  - Brief Tornado
  - Heavy rain / Flooding (isolated)
- NOTE: storms will likely weaken as they move SE across middle GA during Saturday evening



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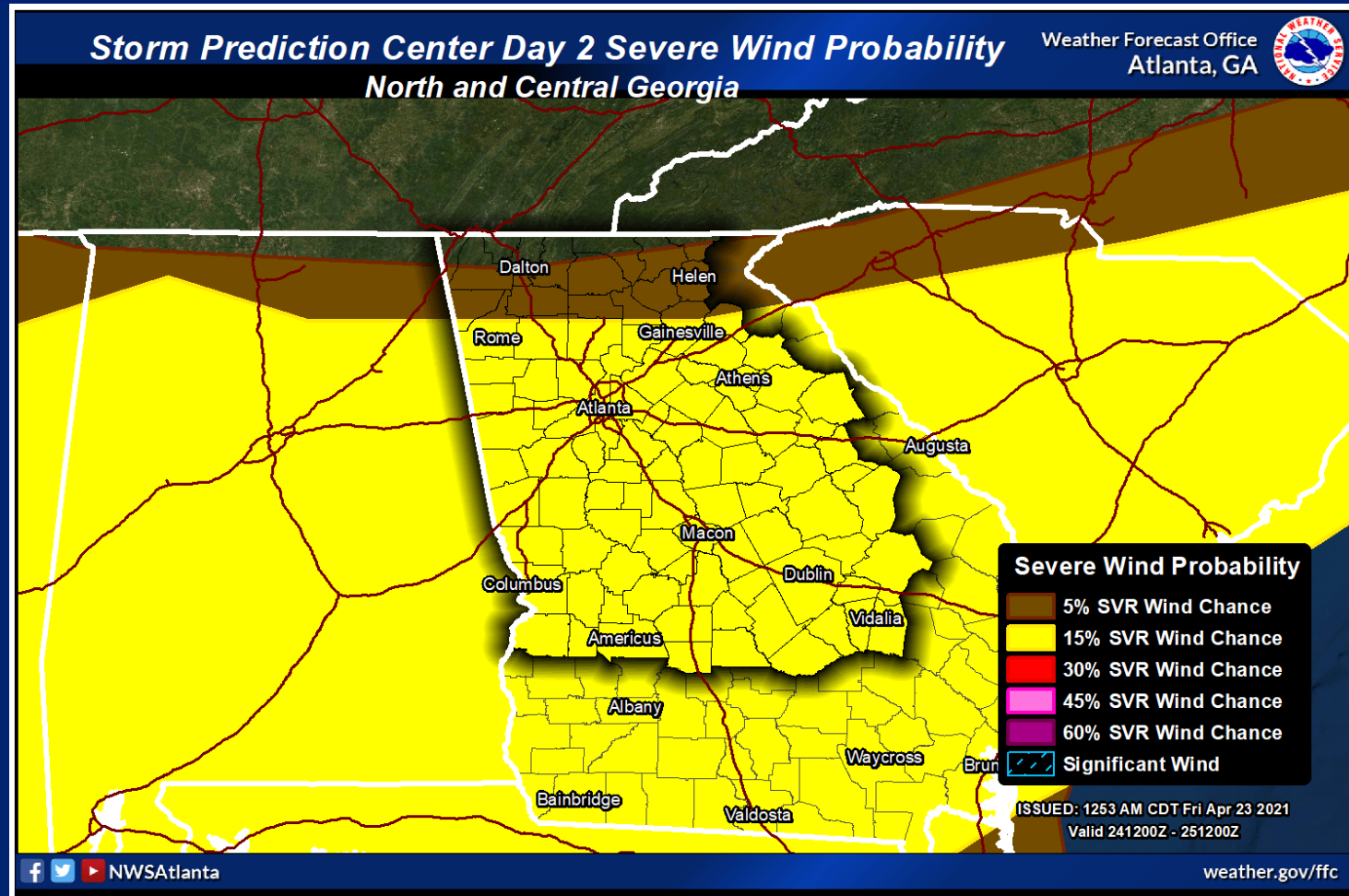




# SPC Severe Wind Probability



<https://www.spc.noaa.gov/products/outlook/>

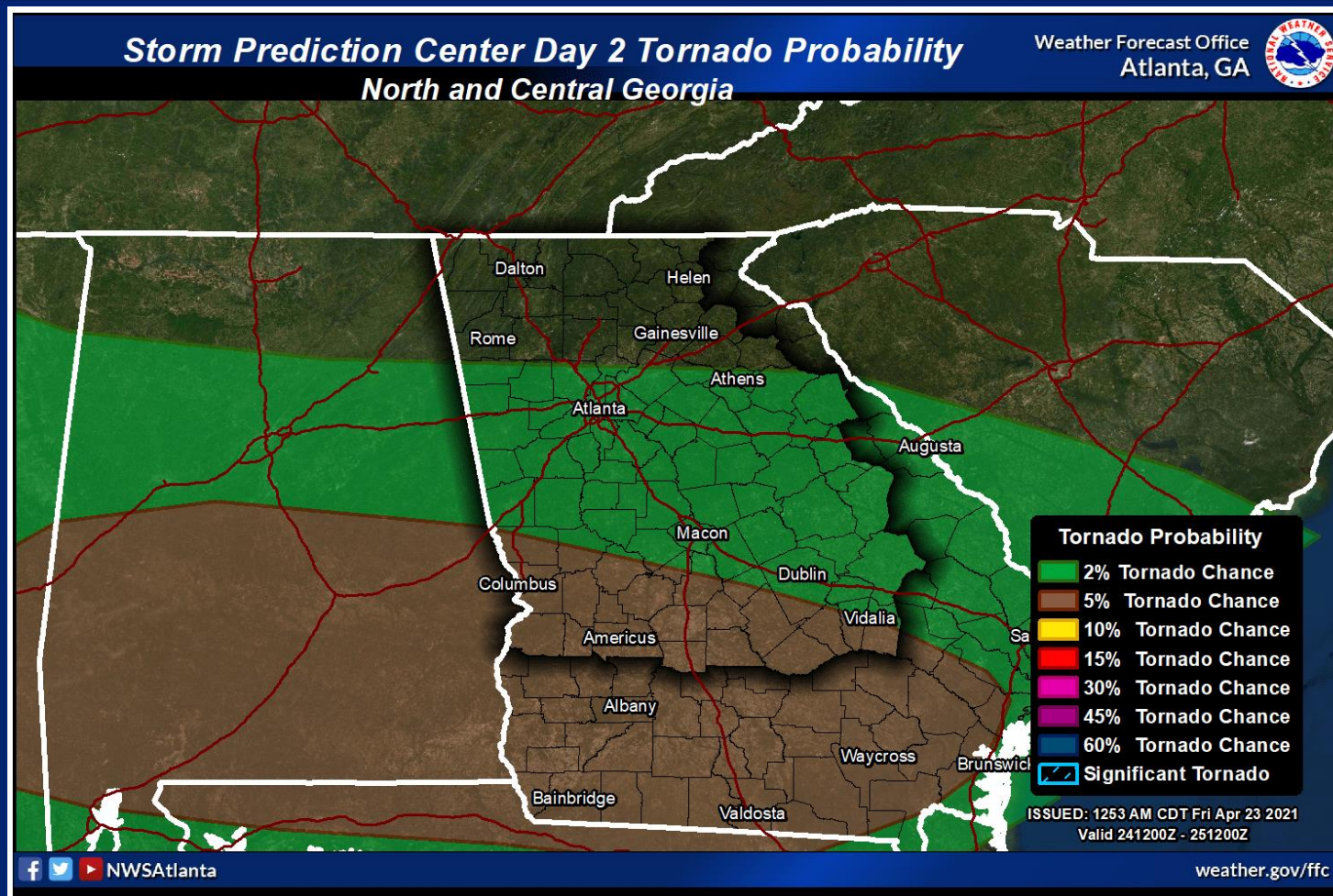


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# SPC Tornado Probability

<https://www.spc.noaa.gov/products/outlook/>



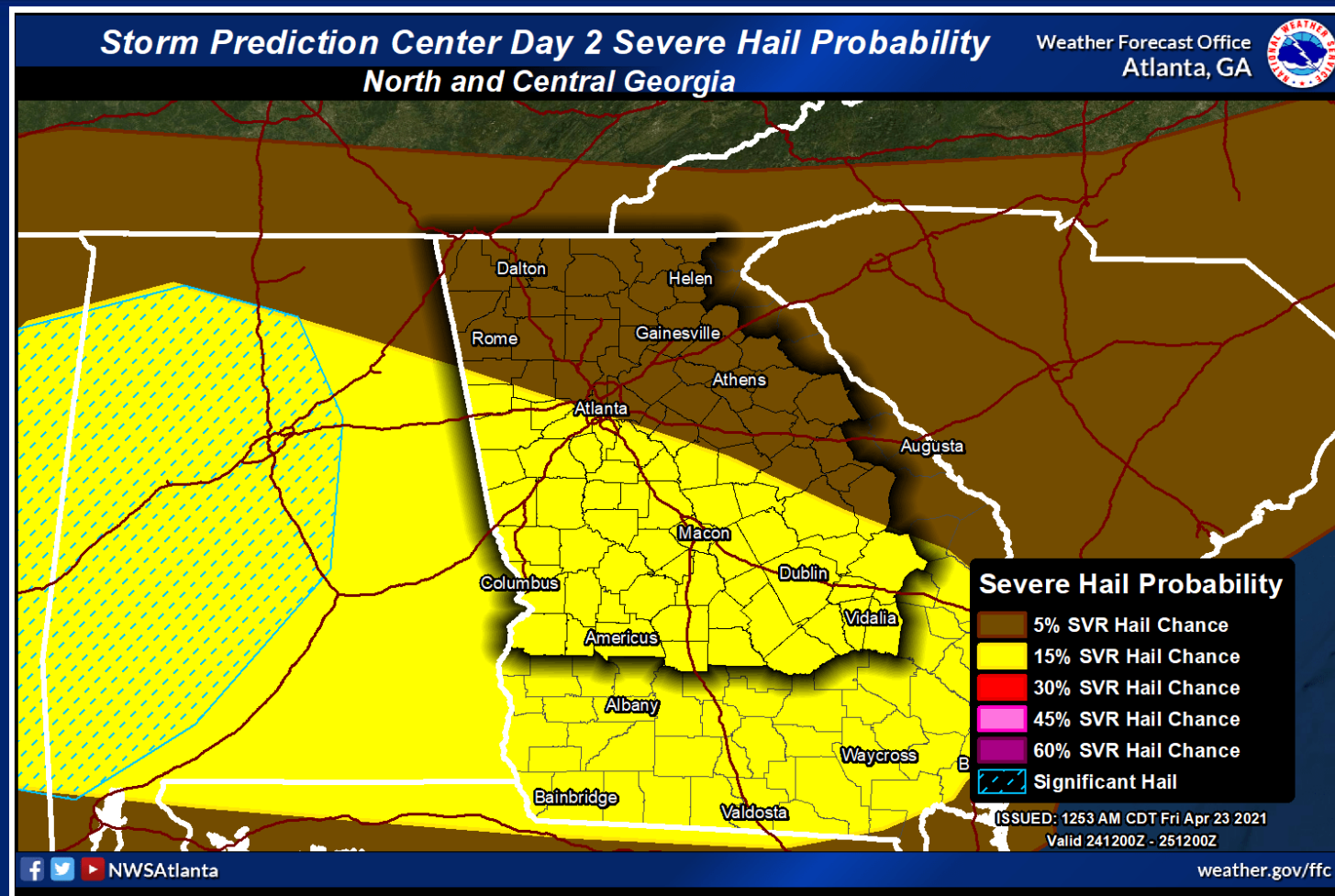
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# SPC Severe Hail Probability

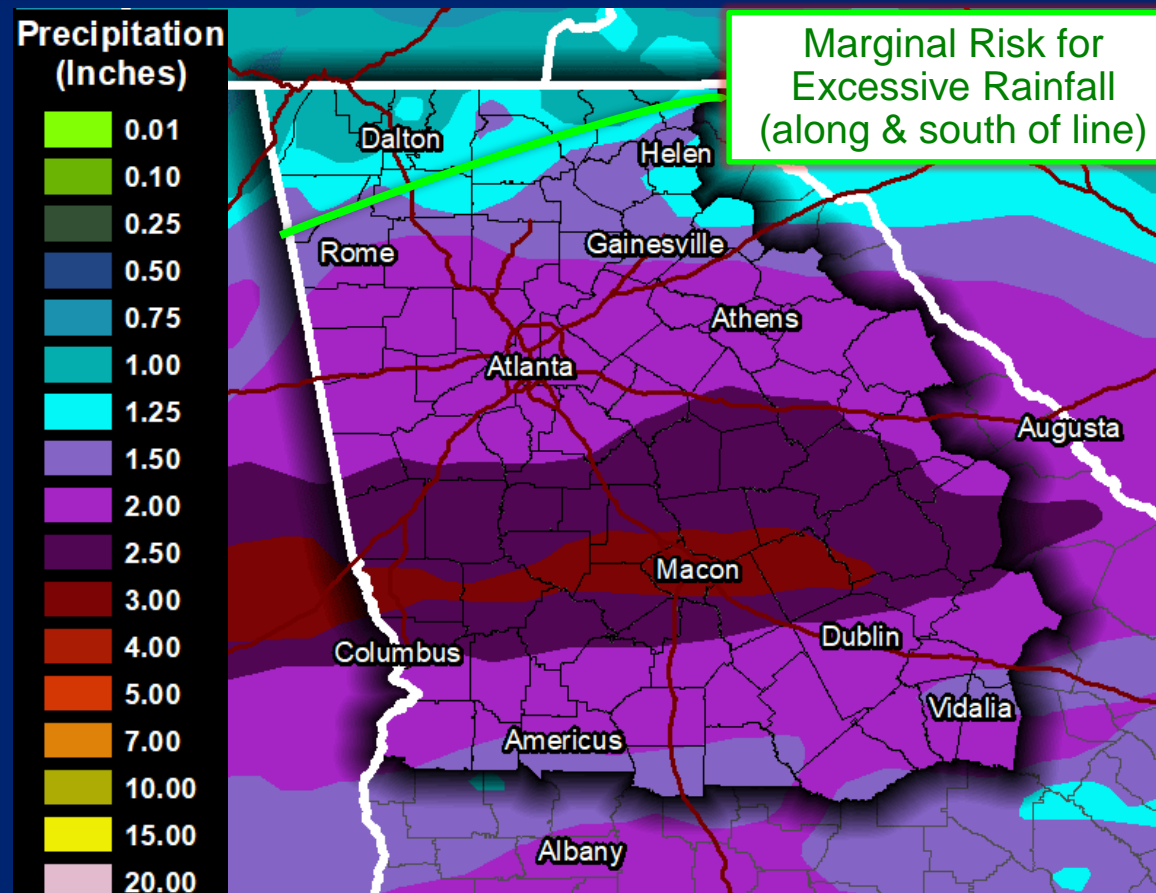


<https://www.spc.noaa.gov/products/outlook/>



# Expected Rainfall (Saturday)

*\*\* Subject to change \*\**



- Widespread 2-3 inches expected with locally higher amounts up to 3+”
- Elevated Flood threat for creeks and smaller streams, especially where storms may track over the same areas
- **Localized Flash Flooding possible:**
  - Urban areas
  - Low-lying / poor drainage



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# Summary



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# Future Updates/Briefings



- Email / quick video updates will continue as time allows.
- **No further special weather briefings are planned for this severe weather event.**
- **As we transition to severe weather operations** updates will be relayed real-time via **NWSChat and Social Media/NWS Atlanta web page.**

# NWS Peachtree City / Atlanta



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